

(54) Title of the Invention

**FUEL OIL ADDITIVE AND FUEL OIL PRODUCTS
CONTAINING THE FUEL OIL ADDITIVE**

(57) Abstract:

The present invention provides a fuel oil additive capable of effectively improving the quality of fuel oils, which comprises an oil-soluble metal salt of organic acid having the general formula MR , where R is an organic acid radical and the corresponding organic acid is a C_1 - C_{40} saturated or unsaturated fatty acid, naphthenic acid, aromatic acid or alkylphenol, M is a metal cation and the corresponding metal is an alkali metal, alkali-earth metal, rare-earth metal, transition metal, or the like. The present invention also provides fuel oil products added to the fuel oil additive, including gasoline, diesel oil, kerosene, heavy oil, resid, or the like. The present invention especially provides a gasoline antiknock agent and a gasoline having excellent antiknock property, and this kind of gasoline antiknock agent is characteristic of effectiveness, economy, safety, no environmental pollution, no toxicity to human body, no adverse effect on parts of automobile engine, use convenience, and the like.